

| | | | | | |
|--|--|--|--|------------------------------------|--------------------------|
| FORM PTO 1449 (REV 2-32) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | File No. 02-21 | Serial No. 10/680,673 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | Applicant(s): Jeff L. Ellsworth | |
| | | | | Filing Date: October 7, 2003 | Group: 1615 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--|--------------------|----------|-----------------|-------|----------|-------------------------------|
| /DR/ | | A1 2003/0022170 | 01/30/03 | Khodadoust | | | |
| | | A2 7,135,459 | 11/14/06 | Deisher et al. | 514 | 12 | |
| | | A3 6,518,236 | 02/11/03 | Deisher et al. | 514 | 2 | |
| | | A4 6,352,971 | 03/05/02 | Deisher et al. | 514 | 2 | |
| | | A5 6,200,606 | 03/13/01 | Peterson et al. | 424 | 574 | |
| | | A6 6,171,340 | 01/09/01 | McDowell | 623 | 18.11 | |
| | | A7 6,013,477 | 01/2000 | Greene et al. | | | |
| | | A8 5,989,866 | 11/23/99 | Deisher et al. | 435 | 69.4 | |
| | | A9 5,919,702 | 07/06/99 | Purchio et al. | 435 | 378 | |
| | | A10 5,604,293 | 02/1997 | Fiddes et al. | | | |
| | | A11 5,514,566 | 05/1996 | Fiddes et al. | | | |
| | | A12 5,439,818 | 08/1995 | Fiddes et al. | | | |
| ↓ | | A13 7,009,039 | 03/2006 | Yayon et al. | | | |
| | | A14 6,054,122 | 04/2000 | MacPhee et al. | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--|--------------------|----------|---------|-------|----------|-------------------------------|
| /DR/ | | A15 99/46381 | 09/16/99 | WIPO | | | |
| ↓ | | A16 99/27100 | 06/03/99 | WIPO | | | |
| | | A17 00/05369 | 02/03/00 | WIPO | | | |
| | | A18 00/56890 | 09/28/00 | WIPO | | | |
| ↓ | | A19 00/67775 | 11/16/00 | WIPO | | | |
| | | A20 11332570 | 12/07/99 | JP | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)

| | | |
|------|-----|--|
| /DR/ | A21 | Ohbayashi et al., <i>J. Biol. Chem.</i> 273(29):18161-18164, 1998. |
| | A22 | Hu et al., <i>Mol. Cell. Biol.</i> 18(10):6063-6074, 1998. |
| | A23 | Ayala et al., <i>Modern Genetics</i> , Benjamin/Cummings Pub. Col., CA, pp. 44, 46 and Glossary, 1984. |
| | A24 | Long et al., <i>Cell Regulation</i> 2:1081-1095, 1991. |
| | A25 | Lifeseq.TM. Clone Information Results Incyte Pharmaceuticals Inc., 1995. |
| | A26 | Goldfarb, <i>Cell Growth and Differentiation</i> 1:439-445, 1990. |
| ↓ | A27 | Crossley et al., <i>Cell</i> 84:127-136, 1996. |

| | |
|----------|-----------------|
| Examiner | Date considered |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | | | | |
|--|--|--|--|------------------------------------|--------------------------|
| FORM PTO 1449 (REV 2-32) | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | File No. 02-21 | Serial No. 10/680,673 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | | | | Applicant(s): Jeff L. Ellsworth | |
| | | | | Filing Date: October 7, 2003 | Group: 1615 |

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|--|-----------------|------|------|-------|----------|----------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|------------------|--|-----------------|------|---------|-------|----------|----------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Patents, etc.)

| | | |
|------|-----|---|
| /DR/ | A28 | Ngo et al., The Protein Folding Problem and Tertiary Structure, Birkhauser, Boston, pp. 491-495, 1994. |
| | A29 | Wells, "Additivity of Mutational Effects in Proteins," <i>Biochemistry</i> 29(37):8509-8517, 1990. |
| | A30 | Bowie et al., "Deciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions," <i>Science</i> 247:1306-1310, 1990. |
| | A31 | Mikayama, T., "Molecular cloning and functional expression of a cDNA encoding glycosylation-inhibiting factor," <i>Proc. Natl. Acad. Sci. USA</i> 90:10056-10060, 1993. |
| | A32 | Voet et al., <i>Biochemistry</i> 1990, John Wiley & Sons, Inc. pp. 126-128 and 228-234, 1990. |
| | A33 | Doerks et al., "Protein annotation: detective work for function prediction," <i>Trends in Genetics</i> , 14(6):248-250, 1998. |
| | A34 | Mickle et al., <i>Med Clin North Am</i> 84(3):597-607, 2000. |
| ↓ | A35 | Yan et al., <i>Science</i> 290:523-527, 2000. |

| | |
|----------|-----------------|
| Examiner | Date considered |
| | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

